

## SEQUENCE LISTING

<110> Gaiger, Alexander Cheever, Martin A.

<120> COMPOSITIONS AND METHODS FOR WT1
 SPECIFIC IMMUNOTHERAPY

<130> 210121.465C2

<140> US 09/684,361

<141> 2000-10-06

<150> US 09/276,484

<151> 1999-03-25

<150> US 09/164,223

<151> 1998-09-30

<160> 326

<170> FastSEQ for Windows Version 3.0

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     <213> Mus musculus
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Gln Tyr Ser Val Pro Pro Pro Val Tyr
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     <211> 9
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Arg Met Phe Pro Asn Ala Pro Tyr Leu
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      <213> Mus musculus
      <400> 294
Arg Thr Pro Tyr Ser Ser Asp Asn Leu
      <210> 295
      <211> 9
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      <213> Mus musculus
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Arg Val Ser Gly Val Ala Pro Thr Leu
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Ser Cys Leu Glu Ser Gln Pro Thr Ile
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     <211> 9
     <212> PRT
     <213> Mus musculus
     <400> 297
Ser Cys Gln Lys Lys Phe Ala Arg Ser
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     <211> 9
     <212> PRT
     <213> Mus musculus
     <400> 298
Ser Asp Val Arg Asp Leu Asn Ala Leu
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     <211> 9
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Ser Leu Gly Glu Gln Gln Tyr Ser Val
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Thr Cys Gln Arg Lys Phe Ser Arg Ser
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      <400> 301
Thr Glu Gly Gln Ser Asn His Gly Ile
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      <210> 302
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      <213> Mus musculus
     <400> 302
Thr Leu His Phe Ser Gly Gln Phe Thr
      <210> 303
      <211> 9
      <212> PRT
      <213> Mus musculus
      <400> 303
Thr Leu Val Arg Ser Ala Ser Glu Thr
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      <213> Mus musculus
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Val Leu Asp Phe Ala Pro Pro Gly Ala
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Trp Asn Gln Met Asn Leu Gly Ala Thr
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      <213> Mus musculus
      <400> 306
Tyr Phe Lys Leu Ser His Leu Gln Met
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      <211> 9
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      <213> Mus musculus
      <400> 307
Tyr Gln Met Thr Ser Gln Leu Glu Cys
                 5
      <210> 308
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      <213> Mus musculus
     <400> 308
Tyr Ser Ser Asp Asn Leu Tyr Gln Met
     <210> 309
      <211> 6
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      <213> Homo sapien
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Gly Ala Ala Gln Trp Ala
     <210> 310
      <211> 12
      <212> PRT
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Ala Ser Ala Tyr Gly Ser Leu Gly Gly Pro Ala Pro
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      <211> 15
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Ala Phe Thr Val His Phe Ser Gly Gln Phe Thr Gly Thr Ala Gly
     <210> 312
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      <400> 312
His Ala Ala Gln Phe
     <210> 313
     <211> 32
     <212> PRT
     <213> Homo sapien
     <400> 313
Cys His Thr Pro Thr Asp Ser Cys Thr Gly Ser Gln Ala Leu Leu Leu
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Arg Thr Pro Tyr Ser Ser Asp Asn Leu Tyr Gln Met Thr Ser Gln Leu
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     <213> Homo sapien
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Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg Arg
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Val Pro Gly Val Ala Pro Thr Leu Val Arg Ser Ala Ser Glu Thr Ser
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     <213> Homo sapien
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Arg Tyr Phe Lys
     <210> 316
     <211> 14
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     <213> Homo sapien
Glu Arg Arg Phe Ser Arg Ser Asp Gln Leu Lys Arg His Gln
                5
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      <213> Homo sapien
      <400> 317
Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr His Thr Arg Thr
His Thr Gly Lys Thr Ser
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      <210> 318
      <211> 21
      <212> PRT
      <213> Homo sapien
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Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val Arg His His Asn
Met His Gln Arg Asn
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      <210> 319
      <211> 449
      <212> PRT
      <213> Homo sapien
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Met Gly Ser Asp Val Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro
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Ser Leu Gly Gly Gly Gly Cys Ala Leu Pro Val Ser Gly Ala Ala
           20
                                25
Gln Trp Ala Pro Val Leu Asp Phe Ala Pro Pro Gly Ala Ser Ala Tyr
Gly Ser Leu Gly Gly Pro Ala Pro Pro Pro Ala Pro Pro Pro Pro
                       55
Pro Pro Pro His Ser Phe Ile Lys Gln Glu Pro Ser Trp Gly Gly
                   70
                                        75
Ala Glu Pro His Glu Glu Gln Cys Leu Ser Ala Phe Thr Val His Phe
                                   90
Ser Gly Gln Phe Thr Gly Thr Ala Gly Ala Cys Arg Tyr Gly Pro Phe
                               105
                                                   110
Gly Pro Pro Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe
                           120
Pro Asn Ala Pro Tyr Leu Pro Ser Cys Leu Glu Ser Gln Pro Ala Ile
                       135
                                           140
Arg Asn Gln Gly Tyr Ser Thr Val Thr Phe Asp Gly Thr Pro Ser Tyr
                   150
                                       155
Gly His Thr Pro Ser His His Ala Ala Gln Phe Pro Asn His Ser Phe
                165
                                   170
Lys His Glu Asp Pro Met Gly Gln Gln Gly Ser Leu Gly Glu Gln Gln
                                185
Tyr Ser Val Pro Pro Pro Val Tyr Gly Cys His Thr Pro Thr Asp Ser
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200
Cys Thr Gly Ser Gln Ala Leu Leu Leu Arg Thr Pro Tyr Ser Ser Asp
                       215
                                            220
Asn Leu Tyr Gln Met Thr Ser Gln Leu Glu Cys Met Thr Trp Asn Gln
                   230
                                       235
Met Asn Leu Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser
                                    250
               245
Ser Val Lys Trp Thr Glu Gly Gln Ser Asn His Ser Thr Gly Tyr Glu
            260
                                265
Ser Asp Asn His Thr Thr Pro Ile Leu Cys Gly Ala Gln Tyr Arg Ile
       275
                            280
His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg Arg Val Pro
                       295
                                            300
Gly Val Ala Pro Thr Leu Val Arg Ser Ala Ser Glu Thr Ser Glu Lys
                    310
                                        315
Arg Pro Phe Met Cys Ala Tyr Pro Gly Cys Asn Lys Arg Tyr Phe Lys
                325
                                    330
Leu Ser His Leu Gln Met His Ser Arg Lys His Thr Gly Glu Lys Pro
                               345
           340
Tyr Gln Cys Asp Phe Lys Asp Cys Glu Arg Arg Phe Ser Arg Ser Asp
                            360
Gln Leu Lys Arg His Gln Arg Arg His Thr Gly Val Lys Pro Phe Gln
                        375
Cys Lys Thr Cys Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr
                                        395
                    390
His Thr Arg Thr His Thr Gly Lys Thr Ser Glu Lys Pro Phe Ser Cys
                                    410
Arg Trp Pro Ser Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val
           420
                               425
Arg His His Asn Met His Gln Arg Asn Met Thr Lys Leu Gln Leu Ala
                           440
Leu
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<210> 320

<211> 449

<212> PRT

<213> Mus musculus

<400> 320

 Met
 Gly
 Ser
 Asp
 Val
 Arg
 Asp
 Leu
 Asn
 Ala
 Leu
 Leu
 Pro
 Ala
 Val
 Ser

 Ser
 Leu
 Gly
 Gly
 Gly
 Cys
 Gly
 Leu
 Pro
 Val
 Ser
 Gly
 Ala
 Ala

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Gly Pro Pro Pro Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe
                            120
Pro Asn Ala Pro Tyr Leu Pro Ser Cys Leu Glu Ser Gln Pro Thr Ile
                       135
                                           140
Arg Asn Gln Gly Tyr Ser Thr Val Thr Phe Asp Gly Ala Pro Ser Tyr
                   150
                                       155
Gly His Thr Pro Ser His His Ala Ala Gln Phe Pro Asn His Ser Phe
                                    170
                165
Lys His Glu Asp Pro Met Gly Gln Gln Gly Ser Leu Gly Glu Gln Gln
                                185
Tyr Ser Val Pro Pro Pro Val Tyr Gly Cys His Thr Pro Thr Asp Ser
                           200
Cys Thr Gly Ser Gln Ala Leu Leu Arg Thr Pro Tyr Ser Ser Asp
                       215
Asn Leu Tyr Gln Met Thr Ser Gln Leu Glu Cys Met Thr Trp Asn Gln
                    230
                                        235
Met Asn Leu Gly Ala Thr Leu Lys Gly Met Ala Ala Gly Ser Ser Ser
               245
                                    250
Ser Val Lys Trp Thr Glu Gly Gln Ser Asn His Gly Ile Gly Tyr Glu
                               265
Ser Asp Asn His Thr Ala Pro Ile Leu Cys Gly Ala Gln Tyr Arg Ile
                            280
His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg Arg Val Ser
                        295
Gly Val Ala Pro Thr Leu Val Arg Ser Ala Ser Glu Thr Ser Glu Lys
                   310
                                       315
Arg Pro Phe Met Cys Ala Tyr Pro Gly Cys Asn Lys Arg Tyr Phe Lys
                                   330
               325
Leu Ser His Leu Gln Met His Ser Arg Lys His Thr Gly Glu Lys Pro
                               345
           340
Tyr Gln Cys Asp Phe Lys Asp Cys Glu Arg Arg Phe Ser Arg Ser Asp
                           360
Gln Leu Lys Arg His Gln Arg Arg His Thr Gly Val Lys Pro Phe Gln
                       375
                                            380
Cys Lys Thr Cys Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr
                    390
                                        395
His Thr Arg Thr His Thr Gly Lys Thr Ser Glu Lys Pro Phe Ser Cys
Arg Trp His Ser Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val
                               425
Arg His His Asn Met His Gln Arg Asn Met Thr Lys Leu His Val Ala
Leu
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<400> 321

Pro Ser Gln Ala Ser Ser Gly Gln Ala

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<sup>&</sup>lt;211> 9

<sup>&</sup>lt;212> PRT

<sup>&</sup>lt;213> Homo sapien and Mus musculus

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Ser Ser Gly Gln Ala Arg Met Phe Pro
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      <212> PRT
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      <400> 323
Gln Ala Arg Met Phe Pro Asn Ala Pro
      <210> 324
      <211> 9
      <212> PRT
      <213> Homo sapien and Mus musculus
      <400> 324
Met Phe Pro Asn Ala Pro Tyr Leu Pro
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      <212> PRT
      <213> Homo sapien and Mus musculus
      <400> 325
Pro Asn Ala Pro Tyr Leu Pro Ser Cys
      <210> 326
      <211> 9
      <212> PRT
      <213> Homo sapien and Mus musculus
      <400> 326
Ala Pro Tyr Leu Pro Ser Cys Leu Glu
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